



# SAFETY DATA SHEET

## SECTION 1 IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

<b>Product Identifier</b>	<b>SODIUM HEXAMETAPHOSPHATE</b>
<b>Other Names</b>	SHMP, Calgon
<b>Manufacturer's Product Code</b>	11CAT
<b>Recommended Use</b>	Water softening, deflocculating agent, texturiser

### Details of Supplier/Manufacturer

Company:	Recochem Inc. ABN: 69 010 485 999
Address:	1809 Lytton Road, Lytton, Queensland 4178
Phone:	(07) 3308 5200 Fax: (07) 3308 5201
Website:	www.recochem.com.au

### Emergency Telephone Numbers

Business Hours:	(07) 3308 5200
After Hours:	1300 131 001
Poisons Information:	Australia: 13 11 26 New Zealand: 0800 764 766

## SECTION 2 HAZARDS IDENTIFICATION

<b>Non-hazardous chemical</b>	<i>according to classification by Safe Work Australia</i>
<b>Non-dangerous goods</b>	<i>according to the Australian Code for the Transport of Dangerous Goods by Road and Rail</i>

### Precautionary statements:

GENERAL	
P101	If medical advice is needed, have product container or label at hand
P102	Keep out of reach of children
P103	Read label before use

## SECTION 3 COMPOSITION AND INFORMATION ON INGREDIENTS

### Ingredients Names and Proportions

Chemical Entity	CAS Number	Proportion (%)
Sodium Hexametaphosphate	68915-31-1	95 - 100

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**SECTION 4 FIRST AID MEASURES**

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**Description of necessary first aid measures**

Inhalation:	Keep victim calm and remove to fresh air if safe to do so. If rapid recovery does not occur, seek medical attention
Skin Contact:	If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available. If symptoms persist, seek medical attention
Eye Contact:	If in eyes, hold eyes open, flood with water for at least 15 minutes. If symptoms persist, seek medical attention
Ingestion:	If swallowed, do NOT induce vomiting. Give plenty of water to drink. Seek immediate medical attention

**Symptoms caused by exposure**

Inhalation:	Data not available
Skin:	May cause redness and dryness of skin
Eye:	May cause redness and blurred vision
Ingestion:	May cause irritation of mouth and throat, nausea, vomiting, diarrhoea and stomach pain

**Medical attention and special treatment**

Treat symptomatically.

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**SECTION 5 FIRE FIGHTING MEASURES**

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**Suitable extinguishing equipment**

Non combustible. Not considered to be a significant fire risk however water spray, dry chemical or carbon dioxide extinguishers should be used in the event of a fire.

**Specific hazards arising from the chemical**

None expected.

**Special protective equipment and precautions for fire fighters**

Wear full protective clothing and self-contained breathing apparatus.

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**SECTION 6 ACCIDENTAL RELEASE MEASURES**

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**Personal precautions, protective equipment and emergency procedures**

Avoid contact with spilled or released material.

**Environmental precautions**

Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterways using sand, earth or other appropriate barriers.

**Methods and materials for containment and cleaning up**

Recover using non sparking tools and put the spilled material in an appropriate waste disposal container. Dispose of in accordance with regional regulations.

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**SECTION 7 HANDLING AND STORAGE**

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**Precautions for safe handling**

Do not ingest. Avoid contact with skin, eyes and clothing. Avoid breathing powder. Wash thoroughly after handling. Do not eat, drink or smoke in contaminated areas. Handle and open containers with care in a well-ventilated area. Do not empty into drains.

**Conditions for safe storage, including any incompatibilities**

Store in a cool, well-ventilated area, away from sunlight, ignition sources and other sources of heat.

**Product: SODIUM HEXAMETAPHOSPHATE****SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION****Exposure control measures**

No data available from National Occupational Health & Safety Commission (NOHSC) Worksafe Australia.

**Biological monitoring**

No biological limit allocated.

**Engineering controls**

Ensure that adequate ventilation is provided. Avoid generating and inhaling dust. Keep containers closed when not in use.

**Individual protection measures**

Eye and face protection:	Wear safety goggles.
Skin protection:	Use solvent resistant gloves, nitrile for longer term protection or PVC and neoprene for incidental splashes.
Respiratory protection:	If work practices do not maintain adequate ventilation, use appropriate respiratory protection equipment. When using respirators, select an appropriate combination of mask and filter. Select a filter for organic gases and vapours (boiling point > 65°C). Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.
Thermal hazards:	Not applicable.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	White powder
Odour:	None
Odour threshold (ppm):	Data not available
pH (10% solution):	5.8 - 7.3
Melting point/freezing point (°C):	616
Initial boiling point and boiling range (°C):	> 1000
Flash point (°C):	Not applicable
Evaporation rate (Butyl acetate = 1):	Data not available
Flammability:	Non-combustible
Upper/lower flammability or explosive limits (%):	Not applicable
Vapour pressure (kPa @ 20°C):	Not applicable
Vapour density (air = 1):	Not applicable
Density (g/ml @ 15°C):	Data not available
Solubility (g/l of water):	150
Partition coefficient: n-octanol/water:	Data not available
Auto-ignition temperature (°C):	Data not available
Decomposition temperature (°C):	Data not available
Kinematic viscosity (mm <sup>2</sup> /s @ 20°C):	Data not available

**Product: SODIUM HEXAMETAPHOSPHATE**

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**SECTION 10 STABILITY AND REACTIVITY**

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**Reactivity**

Assumed stable under normal conditions of use.

**Chemical stability**

Assumed stable under normal conditions of use.

**Possibility of hazardous reactions**

Assumed stable under normal conditions of use.

**Conditions to avoid**

Data not available.

**Incompatible materials**

Strong oxidising agents.

**Hazardous decomposition products**

May produce poisonous and/or corrosive gases i.e. oxides of phosphorus.

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**SECTION 11 TOXICOLOGICAL INFORMATION**

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Acute toxicity:	Data not available
Skin corrosion/irritation:	May cause irritation
Serious eye damage/irritation:	May cause irritation
Respiratory or skin sensitisation:	Not expected to be a sensitiser
Germ cell mutagenicity:	No expected to be mutagenic
Carcinogenicity:	No expected to be carcinogenic
Reproductive toxicity:	Not expected to impair fertility
Specific Target Organ Toxicity (STOT) – single exposure:	Data not available
Specific Target Organ Toxicity (STOT) – repeated exposure:	Data not available
Aspiration hazard:	Irritating to respiratory system

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**SECTION 12 ECOLOGICAL INFORMATION**

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**Ecotoxicity**

Acute toxicity:

Fish –	Data not available
Aquatic invertebrate –	Data not available
Algae –	Data not available
Microorganisms –	Data not available

Chronic toxicity:

Fish –	Data not available
Aquatic invertebrate –	Data not available

**Product: SODIUM HEXAMETAPHOSPHATE**

Algae –	Data not available
Microorganisms –	Data not available

**Persistence and degradability**

Data not available.

**Bioaccumulative potential**

Data not available.

**Mobility in soil**

Miscible with water, avoid contaminating waterways.

**Other adverse effects**

Data not available.

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**SECTION 13 DISPOSAL CONSIDERATIONS**

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Ensure waste disposal conforms to local waste disposal regulations.

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**SECTION 14 TRANSPORT INFORMATION**

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<b>UN number:</b>	Not applicable
<b>Proper shipping name:</b>	Not applicable
<b>Australian Dangerous Goods class:</b>	Not applicable
<b>Australian Dangerous Goods packing group:</b>	Not applicable
<b>Hazchem code:</b>	Not applicable

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**SECTION 15 REGULATORY INFORMATION**

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Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP), Poisons Schedule:	Not scheduled
Australian Inventory of Chemical Substances (AICS):	Listed
Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76):	Not applicable

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**SECTION 16 OTHER INFORMATION**

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Date of preparation:	14/05/2015
Revision number:	4
Changes in this revision:	Update to GHS SDS standard

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This MSDS summarises product safety information at the date of issue, to the best of our knowledge, as a general guide. Recochem cannot anticipate or control the conditions under which the product is used, so prior to usage each user must assess and control the risks associated with their use of the product. Users should also consult the relevant legislation governing the use and storage of this product. We make no warranties, express or implied, and assume no liability in connection with any use of information contained within this document. If clarification or further information is needed, the user should contact Recochem on (07) 3308 5200.

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